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21 [Accurate, scalable in-network identification of p2p traffic using application](#)
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 May **WWW '04**: Proceedings of the 13th international conference on World Wide Web
Publisher: ACM

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The ability to accurately identify the network traffic associated with different P2P applications is important to a broad range of network operations including application-specific traffic engineering, capacity planning, provisioning, service differentiation, etc. ...

Keywords: application-level signatures, online application classification, p2p, traffic analysis

22 [Robust incentive techniques for peer-to-peer networks](#)
[Michal Feldman](#), [Kevin Lai](#), [Ion Stoica](#), [John Chuang](#)

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Lack of cooperation (free riding) is one of the key problems that confronts today's P2P systems. What makes this problem particularly difficult is the unique set of challenges that P2P systems pose: large populations, high turnover, a symmetry of interest, ...


Keywords: cheap pseudonyms, collusion, free-riding, incentives, peer-to-peer, prisoners dilemma, reputation, whitewash

23 Optimized Dissemination of Highly Anticipated Content over an Itinerary Based P2P Network

Konstantinos G. Zerliridis, Helen D. Karatza

April **ANSS '04: Proceedings of the 37th annual symposium on Simulation**
2004

Publisher: IEEE Computer Society

Full text available:  Pdf (172.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 10, Citation Count: 0

As the Internet evolved, peer-to-peer networks became one of the major enabling technologies. Alternative solutions for several issues emerged with the use of this technology. Such is the case for the dissemination of large files to several receivers. The ...


24 A word from the editor



Newton Lee

April **Computers in Entertainment (CIE)**, Volume 2 Issue 2
2004

Publisher: ACM

Full text available:  Pdf (50.17 KB) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 49, Citation Count: 0

Welcome to the third issue of the ACM Computers in Entertainment magazine! In this exciting issue we present eight articles on a diversity of entertainment technology topics including Internet movie piracy, performing arts, animatronics, robotics, ...


25 File sharing activities over BT Networks: pirated movies



Sai Ho Kwok

April **Computers in Entertainment (CIE)**, Volume 2 Issue 2
2004

Publisher: ACM

Full text available:  Pdf (60.48 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 171, Citation Count: 1

Pirated movies are available for sale at low prices in many online stores such as eBay and MovieGoods. But a new way of distributing pirated movies based on Peer-to-Peer (P2P) networks, in particular BitTorrent (BT), which can cause even greater financial ...

Keywords: BitTorrent, digital entertainment, intellectual property, peer-to-peer, pirated movies

26 Snake charmer



Amy Hendrix

March 2004

netWorker , Volume 8 Issue 1

Publisher: ACM

Full text available: [Html](#) (14.42 KB), [Pdf](#) (64.73 KB)

Additional Information: [full citation](#), [abstract](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 19, Citation Count: 1

Python has become the programming language of choice for a growing legion of passionate devotees

27 Practical, distributed network coordinates



Russ Cox, Frank Dabek, Frans Kaashoek, Jinyang Li, Robert Morris

January 2004

SIGCOMM Computer Communication Review , Volume 34 Issue 1

Publisher: ACM

Full text available: [Pdf](#) (315.64 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 59, Citation Count: 7

Vivaldi is a distributed algorithm that assigns synthetic coordinates to internet hosts, so that the Euclidean distance between two hosts' coordinates predicts the network latency between them. Each node in Vivaldi computes its coordinates by simulating ...

28 The IP war: apocalypse or revolution?



Tsvi Gal, Howard M. Singer, Laird Popkin

October 2003

DRM '03: Proceedings of the 3rd ACM workshop on Digital rights management

Publisher: ACM

Full text available: [Pdf](#) (248.96 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 116, Citation Count: 0

In the Foundation series, Asimov predicted a 1,000 years of darkness following the fall of the galactic empire. In the book *Noir*, K.W Jeter describes a world where IP is the ultimate war. Combine them together and you have likely scenario No. 1. The Internet ...

Keywords: digital distribution, digital rights management, intellectual property, on-line music

29 [Bullet: high bandwidth data dissemination using an overlay mesh](#)



[Dejan Kostic](#), [Adolfo Rodriguez](#), [Jeannie Albrecht](#), [Amin Vahdat](#)

December

SOSP '03: Proceedings of the nineteenth ACM symposium on Operating systems principles

Publisher: ACM

Full text available: Pdf (416.10 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 164, Citation Count: 63

In recent years, overlay networks have become an effective alternative to IP multicast for efficient point to multipoint communication across the Internet. Typically, nodes self-organize with the goal of forming an efficient overlay tree, one that meets ...

Keywords: bandwidth, overlays, peer-to-peer

Also published in:

December 2003 **SIGOPS Operating Systems Review** Volume 37 Issue 5

30 [Upfront](#)

[Linux Journal Staff](#)

July 2003

Linux Journal, Volume 2003 Issue 111

Publisher: Specialized Systems Consultants, Inc.

Full text available: Html (13.34 KB)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation Count: 0

31 [Cost sharing mechanisms for near-optimal traffic aggregation and network design](#)



[Baruch Awerbuch](#), [Rohit Khandekar](#)

June

SPAA '08: Proceedings of the twentieth annual symposium on Parallelism in algorithms and architectures

Publisher: ACM

Full text available: Pdf (208.72 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 66, Citation Count: 0





A fundamental network design problem is the one of *Traffic Aggregation* or *Network Design*. The goal is to design a network which is able to support a unit flow for each commodity, at a time, between its source-sink pair, e.g., to support ...

Keywords: cost sharing mechanism, network design, traffic aggregation

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